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PATENT APPLICATION Do. No. 7293-49

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Lei He et al.

Serial No.: 09/822,707 Group Art Unit:

2184

Filed:

March 30, 2001

Examiner:

Unknown

For: 3:2 PULL-DOWN FILM MODE DETECTION USING FUZZY LOGIC

Assistant Commissioner for Patents Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE AND REVOCATION OF PRIOR POWERS

I, Hans Olsen, Secretary and Director, of nDSP Corporation, a Delaware Corporation, having a place of business at 1901 South Bascom Avenue, #800, Campbell, California 95008, assignee of the entire right, title, and interest of U.S. patent application serial no. 09/822,707, titled, 3:2 PULL-DOWN FILM MODE DETECTION USING FUZZY LOGIC by assignment recorded in Reel/Frame 011684/0057 (2 pages), on March 30, 2001, represent that I am empowered to sign on behalf of assignee.

As assignee of record of the entire interest of the above-identified application, all powers of attorney previously given are hereby revoked and the following attorneys and/or patent agents are hereby appointed to prosecute and transact all business in the Patent and Trademark Office connected therewith:

20575 20575 PATENT TRADEMARK OFFICE



| Attorney Name | Registration No. |
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Date: 12, W.Z

nDSP Corporation

Hans Olsen Secretary/Director





UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

JUNE 23, 2001

PATENT ATTORNEYS

PTAS



FERNANDEZ & ASSOCIATES, LLP DENNIS S. FERNANDEZ, ESQ.

PO BOX D MENLO PARK, CA 94026-6204

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/30/2001 ✓

REEL/FRAME: 011684/0057

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HE, LEI /

DOC DATE: 03/27/2001

ASSIGNOR:

ZHANG, HONGMIN [∨]

DOC DATE: 03/27/2001

ASSIGNEE:

NDSP CORPORATION 1901 SOUTH BASCOM AVENUE, SUITE

CAMPBELL, CALIFORNIA 95008

SERIAL NUMBER: 09822707

PATENT NUMBER:

FILING DATE: 03/30/2001

ISSUE DATE:

SEDLEY PYNE, PARALEGAL ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

DATE: 06/27 / 2001

RECD JUN 27 2001

Docket No.: NDSP-P003

09822707

3-30-01

RECORDATION COVER SHEET FOR ASSIGNMENT

The Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Please record the attached original documents or copy thereof.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1. Name of conveying party:

Inventor (s): HE, LEI

ZHANG, HONGMIN

Serial No: (Not yet assigned)
Filed: 3/30/2001

Execution Date:

3/27/2001

Group Art Unit: (Not yet assigned)
Examiner: (Not yet assigned)

2. Name and Address of

Receiving party:

nDSP CORPORATION

1901 SOUTH BASCOM AVENUE, SUITE 700

CAMPBELL, CA 95008

3. Nature of Conveyance: Assignment

4. Patent Application(s) / Patent Number(s): (not yet assigned)

New Patent Application Entitled:

"3:2 PULL-DOWN FILM MODE DETECTION USING FUZZY LOGIC"

5. Name and address of party to whom correspondences concerning document should be mailed:

Name:

DENNIS S. FERNANDEZ, ESQ.

Address:

FERNANDEZ & ASSOCIATES, LLP

PATENT ATTORNEYS

PO BOX D

MENLO PARK, CA 94026-6204

PHONE: (650) 325-4999 FAX: (650) 325-1203

EMAIL: iploft@iploft.com

6. Total Number of applications and patents involved: ONE

7. Fee Calculation

Assignment Recordation Fee

\$40.00

Total Fees (37 CFR 3.41):

\$40.00 <u>X</u> Enclosed

Authorized to be charged to Deposit Account

8. Deposit Account Number:

In case Applicant inadvertently miscalculated any required fee, the Commissioner is hereby authorized to charge the necessary additional amount associated with this communication or credit and overpayment to Deposit Account No: 500482. A duplicate copy of this authorization is enclosed.

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

PETER C. SU

Reg. No. 43,939



0.00 0

1867

Docket No.: NDSP-P003

ASSIGNMENT

Whereas, We, LEI HE and HONGMIN ZHANG, having agreed to assign the below identified invention to nDSP CORPORATION ("nDSP"), a DELAWARE corporation having its principal place of business at 1901 SOUTH BASCOM AVENUE, SUITE 700, CAMPBELL, CA 95008 for good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign, and transfer unto nDSP, its successors and assigns, the entire right, title, and interest, including the right of priority in, to and under an application for Letters Patents of the United States entitled:

3:2 PULL-DOWN FILM MODE DETECTION USING FUZZY LOGIC

| Serial No.: | , filed on | and the inventions set |
|---|---|--|
| forth and described therein, an thereto which may be granted th | d any and all Letters Patent of th | e United States and of countries foreign |
| execute and deliver without fur original, continuation, divisions secure to nDSP, its successors therein, in the United States | ther compensation any power of a al, or reissue, or other papers which and assigns, the inventions describe and in any country foreign there | st of nDSP, its successors or assigns, to ttomey, assignment, application, whether ch may be necessary or desirable fully to ed in said application and all patent rights eto, and to cooperate and assist in the and in the adjudication or reexamination |
| or said Letters Patent. | ϵ_{i} | |
| Inventor's Signature: _ | U. | Date: 3/27/0/ |
| Inventor's Signature: | LEI HE | Date: 3/21/0/ |



Docket No: NDSP-P003

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, postal address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original first and joint inventor (if multiple names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

3:2 PULL-DOWN FILM MODE DETECTION USING FUZZY LOGIC

| the specification of wl | | following information is indicated | i: |
|---|---|---|--|
| as United St | | T International Application Numb(if applicable). | er; |
| | ave reviewed and understand the | e contents of the above identified above. | specification, including |
| I acknowledge the dut | y to disclose information that is | material to patentability as defined | l in 37 CFR 1.56. |
| patent or inventor's country other than the application for patent | certificate, or 365(a) of any PC to United States, listed below an | i.C. 119(a)-(d) or 365(b) of any for International application which d have also identified, as so indic International application having | designated at least one ated below, any foreign |
| Prior Foreign Applica | tion(s) | | Priority Claimed |
| (Application No.) I hereby claim the ben | (Country) efit under 35 U.S.C. 119(e) of a | (Day/Month/Year Filed) ny United States provisional applic | |
| (Application No.) | (Day/Month/Year Filed) | • | |
| International applicati the claims of this appl manner provided by the material to patentabili | on designating the United States lication is not disclosed in the p ne first paragraph of 35 U.S.C. 1 | any United States application(s), s, listed below and, insofar as the s rior United States or PCT Interna 12, I acknowledge the duty to dist that became available between the state of this application. | ubject matter of each of tional application in the close information that is |
| (Application No.) | (Day/Month/Year Filed) | (Status - patented, pendin | g, abandoned) |
| | ollowing attorney(s) and/or age States Patent and Trademark Of | nt(s) to prosecute this application fice connected therewith: | and to transact all |

DENNIS S. FERNANDEZ, REG. NO. 34,160 PETER C. SU, REG. NO. 43,939



Combined Decl/POA
Page 2

Application No.: (Not yet assigned)
Docket N . NDSP-P003

Send Correspondence and Communications to:

FERNANDEZ & ASSOCIATES, LLP PATENT ATTORNEYS PO BOX D MENLO PARK, CA 94026-6204 (650) 325-4999 (650) 325-1203: FAX

EMAIL: iploft@iploft.com

22877
PATENT TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and beliefs are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| Full name of sole or first inventor: LEI HE | |
|---|---------|
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| Citizenship: PEOPLE'S REPUBLIC OF CHINA | |
| Postal Address: | |
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| Full name of sole or first inventor: | | |
|---|--------------|--|
| HONGMIN ZHANG | | |
| Inventor's signature | Date 3/27/0/ | |
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